# Chao Zheng

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## EDUCATION

**Bachelor of Computer Science (BCS)**                                          May 2020

Dalhousie University, Halifax, NS

Field of study:  Communications Tech & Cyber Sec

## HIGHTLIGHT OF SKILLS

KNOWN SOFTWARE:

- Eclipse
- Android Studio
- VMware Workstation
- Visual Studio Code
- MySQL Workbench
- MongoDB
- PyCharm
- Anaconda
- Github/Git
- Postman

TECHNICAL SKILLS:

- Java
- Kotlin
- Python
- C
- SQL/NoSQL
- JavaScript
- HTML/CSS
- Express/Node.js
- React/Hooks
- Understanding Scrum/Agile

PERSONAL QUALITIES

- Great communication and collaboration skills
- High attention to detail and code quality
- Excellent focused skills and well prepared for existing and future work
- Ability to work and thrive in a fast-paced environment, learn rapidly and master diverse techniques

## PROJECT EXPERIENCE

**Course Registration System**                                          2018/2019 Winter

- Used Java to develop an Android application for university course registration and management, created two users' platforms, one for students and one for administrator.
- Worked with the team on UI design and user stories, responsible for the project to be on schedule
- Leveraged my knowledge of Java for Android to store and read data from Firestore database

- Tested and modified codes, contributing to dynamic data in both student and administrator's platforms
- Fixed bugs, optimized applications to ensure speed and scalability and improve users' experience

**OrderApp**                                                          2018/2019 Summer

- Worked with the team to draw EER diagram in MySQL workbench which shows the relationship between all DBs
- Used SQL to create a database and connected it to front-end application with the team.
- Tested data transmissions and conducted database testing

**React Self-Ordering-Menu**                                          2020/2021 Fall

- Used React framework in Visual Studio Code to build a website for restaurants which helps customers to order food through online menu with pictures and prices, and submit their choices online
- Used the Node package create-react-app to generate a boilerplate version of a React application, then cleaned and simplified files
- Installed and imported useful libraries, such as React-Router, then set up the router and built the corresponding components.
- Imported components and programed components to access parameters and data between different components
- For the further plan, UI design will import the extra library that called Ant Design to enrich pages, and the application will use React-Redux to achieve better state for the model

**Blog + Admin system with MERN Stack**                               2020/2021 Winter - Present

- Used MERN stack to program a personal blog which includes blog pages, admin system and database design.
- Used Next.js and ant-design to design the basic layout for blog pages
- For admin system, used React/Hooks and ant-design to program basic login page, admin page (admin page includes 3 components, such as dashboard, article, messages). Article component can choose to write, edit and delete articles and check lists about all articles
- Set CORS in React and Express and used axios to test whether they both work
- Designed database by MongoDB. Used axios to send data to back-end, and then used mongoose to operate database to implement CRUD. Finally, resend data to admin system page
- Realized dynamic transmission between blog, admin system and back-end.
- After finishing all basic pages' design about layout, database and operations, I will re-design and enrich UI to match responsible web and add like and comment functions. For the admin system, I will add linear graph to show number of views every week in dashboard